

Serial No. 10/017,425  
Reply to Office Action of March 9, 2005

Docket No. HI-0067

**Amendments to the Drawings:**

The attached drawing includes changes to Fig. 2. This sheet, which includes Fig. 2, replace the original sheet including Figs. 2.

Attachment: Annotated Sheet Showing Changes  
Replacement Sheet

**REMARKS/ARGUMENTS**

Favorable reconsideration of this application as presently amended and in light of the following discussion is respectfully requested.

Claims 1-23 are pending in the present application with claims 1, 7, 8, 13-15, 18-21 and 23 having been amended by present amendment.

In the outstanding Office Action, claims 1-22 were objected to; claims 1-7 and 18-22 were rejected under 35 U.S.C. § 112, second paragraph; claim 23 was rejected under 35 U.S.C. § 103(a) as unpatentable over Karlsson et al. in view of Juntti et al.; claims 8-17 were allowed; claims 1-7 and 18-22 were indicated as allowable if rewritten to overcome the rejections under 35 U.S.C. § 112, second paragraph and the objections noted in the Office Action.

Applicants thank the Examiner for the indication of allowable subject matter.

The appropriate claims have been amended in light of the objections noted in the Office Action. Further, regarding claim 3, the Office Action indicates the term “is” in line 2 should be changed to “are.” However, it is respectfully submitted the term “is” is correct because the subject “a total energy” is singular. Accordingly, it is respectfully requested the objections to claims 1-22 be withdrawn.

Similarly, the appropriate claims have been amended in light of the rejection of claims 1-7 and 18-22 under 35 U.S.C. § 112, second paragraph. Finally, regarding claim 1, the Office Action requests clarification of the phrase “other symbols.” It is respectfully noted

the DPCCH indicates a pilot section and TFCI, FBI and TPC sections (see Fig. 1, for example). Thus, the “other symbols” refer to the TFCI, FBI and TPC sections.

Accordingly, it is respectfully requested this rejection be withdrawn.

Further, claim 23 has been amended to clarify that the method for searching multipaths of a mobile communication station include searching multipaths of a mobile station by providing different weights to a pilot symbol section and another control symbol section of a Dedicated Physical Control Channel (DPCCH) when a spreading factor of a reverse Dedicated Physical Data Channel (DPDCH) transmitted from a mobile station is not known, and searching multipaths of the mobile station by multiplying an energy value of the DPCCH and an energy value of the DPDCH by different weights that correspond to a spread factor of the DPDCH, respectively, thereby obtaining a total energy when the spreading factor of the reverse DPDCH transmitted from the mobile station is known. It is respectfully noted Karlsson et al. and Juntti et al. do not teach or suggest performing these features. Accordingly, it is respectfully submitted claim 23 is also allowable.

In addition, the specification has been amended to correct minor informalities. It is believed no new matter has been added.

Fig. 2 has also been amended to correct a minor spelling error. Enclosed is a formal drawing of Fig. 2.

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### **CONCLUSION**

In view of the foregoing amendments and remarks, it is respectfully submitted that the application is in condition for allowance. Favorable consideration and prompt allowance are earnestly solicited. If the Examiner believes that any additional changes would place the application in better condition for allowance, the Examiner is invited to contact the undersigned attorney, **David A. Bilodeau**, at the telephone number listed below.

To the extent necessary, a petition for an extension of time under 37 C.F.R. 1.136 is hereby made. Please charge any shortage in fees due in connection with the filing of this, concurrent and future replies, including extension of time fees, to Deposit Account 16-0607 and please credit any excess fees to such deposit account.

Respectfully submitted,  
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